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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/231,114	01/14/1999	HIROYUKI FUNAHASHI	102580	3398

25944            7590            07/30/2002

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[REDACTED] EXAMINER

KANG, PAUL H

ART UNIT	PAPER NUMBER
2152	

DATE MAILED: 07/30/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/231,114	FUNAHASHI, HIROYUKI
	<b>Examiner</b>	<b>Art Unit</b>
	Paul H Kang	2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 14 May 2002.
- 2a) This action is FINAL.                  2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.
- 4) Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-21 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Disposition of Claims**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
 If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_ .
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
 a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ .
- 4) Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_ .
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_ .

## **DETAILED ACTION**

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venkatraman et al., US Pat. No. 6,170,007 B1 in view of Danknick et al., US Pat. No. 6,021,429.

3. As to claims 1, 3, 8, 11, 15, 16, 17 and 18, Venkatraman teaches the invention substantially as claimed. Vankatraman teaches a network system comprising a plurality of terminals interconnected via a network; and a controller that controls the terminals via the network, the controller comprising selecting means for selecting and controlling the plurality of terminals, the terminals including printers as well as recording media (Venkatraman, col. 2, lines 16-55 and col. 3, line 9-65).

However, Venkatraman does not explicitly teach at least two of the terminals each adapted to obtain information on the other terminals therefrom, requesting means for requesting the selected terminal to transmit, to the controller, information on all the interconnected terminals; wherein the selected terminal transmits a request to the other interconnected terminal to obtain the information on the other terminals, receives the information from the other

terminals, and forwards to the controller the information from the other terminals and information on the selected terminal.

In the same field of endeavor, Danknick teaches a method and apparatus for communicating with a network peripheral and which automatically obtains and maintains a list of device information. Danknick teaches requesting means for requesting the selected terminal to transmit, to the controller, information on all the interconnected terminals (the list manager is requested to transmit to the controller device information; Danknick, col. 1, line 42 – col. 67); wherein the selected terminal transmits a request to the other interconnected terminal to obtain the information on the other terminals (the list manager stores information regarding other devices in the network which it then transmits to the controller; Danknick, col. 11, line 1-67), receives the information from the other terminals, and forwards to the controller the information from the other terminals and information on the selected terminal (Danknick, col. 1, line 42 – col. 3, line 63 and col. 9, line 7 – col. 11, line 35).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have incorporated the multiple device information obtaining means as taught by Danknick into the system of Venkatraman for the purpose of increasing the device control and status monitoring efficiency.

4. As to claims 2 and 12, Venkatraman-Danknick teach the system wherein the information on each of the other terminals includes link information for identifying the each terminal on the network (Danknick, col. 1, line 42 – col. 3, line 63).

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5. As to claims 4 and 19, Venkatraman-Danknick teach the system further comprising an interface interconnecting one terminal and the network; the controller further including an interface information obtaining means for obtaining information on the interface therefrom when the one terminal transmits the information on all the terminals to the controller (Danknick, col. 1, line 42 – col. 3, line 63 and col. 9, line 7 – col. 11, line 35).

6. As to claims 5 and 20, Venkatraman-Danknick teach a setting changing means for changing the setting or settings of the terminal transmitting the information to the controller, or of the interface (Venkatraman, col. 3, lines 9-65).

7. As to claims 6, 9 and 13, Venkatraman-Danknick teach a memory for storing the information on all the terminals (Danknick, col. 1, line 42 – col. 3, line 63 and col. 9, line 7 – col. 11, line 35).

8. As to claims 7, 10, 14 and 21, Venkatraman-Danknick teach a system wherein the interconnected terminals is a printer or a scanner (Danknick, col. 1, line 42 – col. 3, line 63 and col. 9, line 7 – col. 11, line 35).

9. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection. The Applicant argued in substance that the prior art of record does not alone or in combination teach the invention as claimed including methods for selecting a network device, such as a printer or recording medium, and retrieving device

information pertaining to the selected device as well as other devices. The new grounds of rejection teaches this feature.

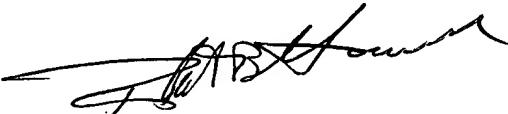
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul H Kang whose telephone number is (703) 308-6123. The examiner can normally be reached on 9 hour flex. First Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

  
Paul H Kang  
Examiner  
Art Unit 2152

July 29, 2002

  
ROBERT B. HARRELL  
PRIMARY EXAMINER